

(C) WPI / DERWENT

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E10-B03B E10-B04BM3 - [01] B414 B514 B614 B711 B712 B713 B720 B741 B742 B743 B744 B760 B831  
B832 D012 D019 D022 D029 D601 D699 F011 F012 F019 F431 F499 F521 F541  
F599 G010 G011 G015 G019 G020 G021 G029 G030 G039 G040 G050 G100 G111  
G112 G113 G221 G299 G553 G563 H1 H100 H101 H102 H103 H161 H181 H182  
H183 H201 H202 H401 H402 H403 H404 H441 H442 H443 H444 H481 H482 H541  
H542 H713 H714 H716 H721 H722 H723 J011 J012 J171 J172 J271 J272 J471  
J472 J581 J582 K431 K499 L640 L650 L660 M121 M122 M123 M124 M125 M126  
M129 M132 M144 M149 M150 M210 M211 M212 M213 M214 M215 M216 M220 M221  
M222 M223 M224 M225 M226 M231 M232 M233 M250 M262 M272 M273 M280 M281  
M282 M283 M311 M312 M313 M314 M315 M316 M320 M321 M322 M331 M332 M333  
M340 M342 M343 M349 M351 M361 M371 M373 M381 M383 M391 M392 M411 M412  
M413 M414 M415 M416 M510 M511 M512 M520 M521 M522 M530 M531 M532 M533  
M540 M541 M542 M543 M620 M630 M782 M903 M904 Q252; 9727-B4601-M

PA - (LIOY) LION CORP

PN - JP3567951B2 B2 20040922 DW200462 A61K7/06 014pp

- JP9110647 A 19970428 DW199727 A61K7/06 010pp

PR - JP19950290482 19951012

XA - C1997-095178

XIC - A61K-007/00 ; A61K-007/06

AB - J09110647 Hair treatment agent comprises:(a) at least 1 primary amine  
compound selected from amines of formula (I), (II) or their salts and  
proteins or peptides of mol. wt. at least 203 Da, which contain at  
least 1 Lys and/or Gln residues, and(b) a transglutaminase.NH<sub>2</sub>-(CH<sub>2</sub>)<sub>n</sub>CHR<sub>1</sub>R<sub>2</sub> (I) NH<sub>2</sub>-(CH<sub>2</sub>)<sub>m</sub>NHR<sub>3</sub> (II) R<sub>1</sub>, R<sub>2</sub> = H, OH, 1-10C alkyl,  
3-6C cycloalkyl, 6-10C aryl, 2-5C alkenyl, COOR, NRR, COR, imidazolyl,  
pyrimidyl, indolyl, SiR'R''R''' or sulfo; R', R'', R''' = H, OH,  
1-10C alkyl, 3-6C cycloalkyl, 6-10C aryl, 2-6C alkenyl or 1-6C alkoxy;  
n = 1-10; R = H, 1-10C alkyl or 2-5C alkenyl; R<sub>3</sub> = 1-10C alkyl, 3-6C  
cycloalkyl, 2-5C alkenyl, (CH<sub>2</sub>)<sub>p</sub>NRR or (CH<sub>2</sub>)<sub>p</sub>COOR; m = 2-11, and p =  
1-5.

- USE - The agent can be used to strengthen the hair without damaging it.

- (Dwg.0/0)

CN - 9727-B4601-M

IW - HAIR STRENGTH TREAT AGENT COMPRISE AMINO GROUP CONTAIN COMPOUND  
PRIMARY AMINE STRUCTUREIKW - HAIR STRENGTH TREAT AGENT COMPRISE AMINO GROUP CONTAIN COMPOUND  
PRIMARY AMINE STRUCTURE

NC - 001

OPD - 1995-10-12

ORD - 1997-04-28

PAW - (LIOY) LION CORP

TI - Hair strengthening treatment agent - comprises amino group-containing  
compound having primary amine structure etc.